

OM protein - protein search, using sw model

Run on: April 29, 2004, 10:41:53 ; Search time 54 Seconds  
(without alignments)  
423.821 Million cell updates/sec

Title: US-09-856-840C-2

Perfect score: 473  
Sequence: 1 MFLVFLCCLHIVSSHTPD.....VEMVYSTGQCRTTCIPRVG 81

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :  
1: Genesegp294n04:\*  
2: Genesegp1980s:\*  
3: Genesegp2000s:\*  
4: Genesegp2001s:\*  
5: Genesegp2002s:\*  
6: Genesegp2003as:\*  
7: Genesegp2003bs:\*  
8: Genesegp2004s:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	453	95.8	81	AAV92938	Aay92938 Hirudo me
2	79	16.7	145	AAW67949	Aaw67949 Human imm
3	76	16.1	19938	ABP76678	Abp76678 Streptomy
4	75.5	16.0	355	ABP69588	Abp69588 Human pol
5	75.5	16.0	355	AAU97101	Aau97101 Human MK6
6	75.5	16.0	355	ADP37275	Adp37275 Nucleic f
7	75.5	16.0	380	AAU97114	Aau97114 Human MK6
8	75	15.9	294	ABP95622	Abp95622 Human GPC
9	74.5	15.8	136	AAU97103	Aau97103 Human MK6

10	73.5	15.5	105	7	ADP31222	Adp31222 Human nov
11	73	15.4	515	2	AAW48670	Aaw48670 Chitinase
12	72	15.2	1083	4	ABP60057	Abp60057 Drosophi
13	71.5	15.1	56	4	AAW37769	Aaw37769 Peptide #
14	71.5	15.1	56	4	AAW77584	Aaw77584 Human bon
15	71.5	15.1	56	4	AAW64835	Aaw64835 Human bra
16	71.5	15.1	56	4	ABG59231	Abg59231 Human 11v
17	71.5	15.1	85	5	AAU97102	Aau97102 Human MK6
18	71.5	15.1	113	4	ABG30035	Abg30035 Novel hum
19	71	15.0	761	4	ABP60973	Abp60973 Drosophi
20	68.5	14.5	82	4	AAU57028	Aau57028 Propionib
21	68.5	14.5	82	6	ABW53547	Abw53547 Propionib
22	68.5	14.5	727	2	AAW05533	Aaw05533 Fragment
23	68.5	14.5	1214	3	AAV9152	Aav9152 Mouse pro
24	68.5	14.5	19938	6	ABP69398	Abp69398 Streptomy
25	68	14.4	100	2	AAW48795	Aaw48795 Homo sapi
26	68	14.4	197	4	ABH12460	Abh12460 Human bon
27	68	14.4	288	4	ABH12377	Abh12377 Human bon
28	68	14.4	288	6	ABW07186	Abw07186 Human p53
29	68	14.4	934	5	AAU72893	Aau72893 Human met
30	68	14.4	1964	2	AAW95557	Aaw95557 Mus muscu
31	67.5	14.3	74	4	AAO10231	Aao10231 Human pol
32	67.5	14.3	325	3	AAW60058	Aaw60058 Arbidops
33	67.5	14.3	548	7	ADP67345	Adp67345 Human GPC
34	67.5	14.3	1872	2	AAW68510	Aaw68510 Partial h
35	67.5	14.3	2321	2	AAW49698	Aaw49698 Human Not
36	67	14.2	227	2	AAV17648	Aav17648 Human put
37	67	14.2	227	6	ADP17678	Adp17678 Amino aci
38	67	14.2	228	2	AAV17679	Aav17679 Human aci
39	67	14.2	228	6	ADP17676	Adp17676 Human WIS
40	67	14.2	229	2	AAV17678	Aav17678 Human WIS
41	67	14.2	229	6	ADP17675	Adp17675 Human WIS
42	67	14.2	230	2	AAV17677	Aav17677 Human WIS
43	67	14.2	230	6	ADP17634	Adp17634 Human WIS
44	67	14.2	231	2	AAV17676	Aav17676 Human WIS
45	67	14.2	231	6	ADP17633	Adp17633 Human WIS

# ALIGNMENTS

RESULT 1	AAV92938	standard; protein; 81 AA.
ID	AAV92938	
XX	AC	AAV92938:
XX	DT	08-NOV-2000 (first entry)
XX	DE	Hirudo medicinalis metalloproteinase inhibitor protein.
XX	KW	Recombinant; leech; metalloproteinase inhibitor; fibrin;
KW	KW	plasma carboxypeptidase B; fibrinolysis inhibitor; plasminogen;
XX	OS	blood clot.
XX	OS	Hirudo medicinalis.

Key Location/Qualifiers

FT Peptide 1..15

FT /note="signal peptide"

FT Protein 16..81

FT /note="mature metallocarboxypeptidase inhibitor"

XX MO200031140-A1.

XX 02-JUN-2000.

XX 24-NOV-1999; 99MO-ES000378.

XX 25-NOV-1998; 98ES-00002524.

XX (UYBA-) UNIV AUTONOMA BARCELONA.

XX (UYMU-) UNIV MUENCHEN MAXIMILIANS LUDWIG.

XX Reverte D, Vendrell J, Canals F, Horstmann U, Querol E, Fritz H;

XX Sommerhoff CP, Aviles FX;

XX WPI; 2000-40047/34.

XX N-PSDB; AAA11268.

XX New recombinant nucleic acid encoding metallocarboxypeptidase inhibitor,

XX useful as fibrinolytic agent, is derived from the leech Hirudo

XX medicinalis.

XX Claim 3; Page 17; 23pp; Spanish.

XX This sequence represents a protein derived from Hirudo medicinalis

XX (leeches) that inhibits metallocarboxypeptidases, particularly of plasma

XX carboxypeptidase B which inhibits fibrinolysis by destroying the binding

XX site, in plasminogen, for fibrin. The inhibitor is useful as a

XX fibrinolytic agent, thus promotes activity of plasminogen and speeds up

XX lysis of blood clots

XX Sequence 81 AA;

XX

Query Match 55.8%; Score 453; DB 3; Length 81;

Best Local Similarity 97.5%; Pred. No. 2.1e-39;

Matches 78; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MFLVFLCCLHLVISHPTDESFLCTQPDVCCFICGGAAPLPSSEGCNPHPTAPMCRG 60

DB 1 MFLVFLCCLHLVISHPTDESFLCTQPDVCCFICGGAAPLPSSEGCNPHPTAPMCRG 60

QY 61 AVEWVYSTGQCRTTCIPTV 80

DB 61 AVEWVYSTGQCRTTCIPTV 80

Search completed: April 29, 2004, 10:48:46

Job time : 57 secs

GenCore version 5.1.6

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OM protein - protein search, using sw model

Run on: April 29, 2004, 10:50:09 ; Search time 42 seconds

(without alignments)

534,580 Million cell updates/sec

Title: US-09-856-840C-2

Perfect score: 473

Sequence: 1 MFLVFLCCLHLVISHPTD.....VEWVYSTGQCRTTCIPTV 81

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 1138120

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgn2\_6/prodata/2/pubpaa/US07\_PUBCOMB.pep.\*

2: /cgn2\_6/prodata/2/pubpaa/ECT\_NEW\_PUB.pep.\*

3: /cgn2\_6/prodata/2/pubpaa/US06\_NEW\_PUB.pep.\*

4: /cgn2\_6/prodata/2/pubpaa/US06\_PUBCOMB.pep.\*

5: /cgn2\_6/prodata/2/pubpaa/US07\_NEW\_PUB.pep.\*

6: /cgn2\_6/prodata/2/pubpaa/ECTUS\_PUBCOMB.pep.\*

7: /cgn2\_6/prodata/2/pubpaa/US08\_NEW\_PUB.pep.\*

8: /cgn2\_6/prodata/2/pubpaa/US08\_PUBCOMB.pep.\*

9: /cgn2\_6/prodata/2/pubpaa/US09\_PUBCOMB.pep.\*

10: /cgn2\_6/prodata/2/pubpaa/US09\_PUBCOMB.pep.\*

11: /cgn2\_6/prodata/2/pubpaa/US09C\_PUBCOMB.pep.\*

12: /cgn2\_6/prodata/2/pubpaa/US09\_NEW\_PUB.pep.\*

13: /cgn2\_6/prodata/2/pubpaa/US10\_PUBCOMB.pep.\*

14: /cgn2\_6/prodata/2/pubpaa/US10\_PUBCOMB.pep.\*

15: /cgn2\_6/prodata/2/pubpaa/US10C\_PUBCOMB.pep.\*

16: /cgn2\_6/prodata/2/pubpaa/US10\_NEW\_PUB.pep.\*

17: /cgn2\_6/prodata/2/pubpaa/US60\_NEW\_PUB.pep.\*

18: /cgn2\_6/prodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,

and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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1	75.5	16.0	355	9	US-09-948-018-2	Sequence 2, Appl1
2	75.5	16.0	380	9	US-09-948-018-36	Sequence 36, Appl1
3	75	15.9	294	12	US-10-343-650X-54	Sequence 6, Appl1
4	74.5	15.8	136	9	US-09-948-018-6	Sequence 185, App
5	73.5	15.5	485	14	US-10-184-544-185	Sequence 185, App
6	73.5	15.5	485	14	US-10-184-534-185	Sequence 43, Appl1
7	73.5	15.5	485	14	US-10-063-685-43	Sequence 46095, A
8	71.5	15.1	56	9	US-09-864-761-46095	Sequence 4, Appl1
9	71.5	15.1	85	9	US-09-948-018-4	Sequence 4, Appl1
10	71	15.0	19725	15	US-10-084-845A-4	Sequence 74, Appl1
11	68.5	14.5	4660	16	US-10-464-368-74	Sequence 3, Appl1
12	68.5	14.5	19695	15	US-10-084-846A-3	Sequence 221866,
13	68	14.4	455	12	US-10-424-599-221866	Sequence 53, Appl1
14	68	14.4	934	12	US-10-275-107-53	Sequence 2152, Ap
15	67.5	14.3	548	14	US-10-017-161-2152	Sequence 1798, Ap
16	67.5	14.3	548	15	US-10-292-798-1798	Sequence 793, App
17	67.5	14.3	1955	12	US-10-072-012-793	Sequence 2, Appl1
18	67.5	14.3	2321	14	US-10-356-625-2	Sequence 90, Appl1
19	67	14.2	202	9	US-09-729-835-90	Sequence 15, Appl1
20	67	14.2	202	16	US-10-373-809-90	Sequence 77, Appl1
21	67	14.2	227	14	US-10-112-267-15	Sequence 76, Appl1
22	67	14.2	228	14	US-10-112-267-77	Sequence 75, Appl1
23	67	14.2	229	14	US-10-112-267-76	Sequence 74, Appl1
24	67	14.2	230	14	US-10-112-267-75	Sequence 73, Appl1
25	67	14.2	231	14	US-10-112-267-74	Sequence 72, Appl1
26	67	14.2	232	14	US-10-112-267-73	Sequence 71, Appl1
27	67	14.2	233	14	US-10-112-267-72	Sequence 70, Appl1
28	67	14.2	234	14	US-10-112-267-71	Sequence 69, Appl1
29	67	14.2	235	14	US-10-112-267-70	Sequence 68, Appl1
30	67	14.2	236	14	US-10-112-267-69	Sequence 67, Appl1
31	67	14.2	237	14	US-10-112-267-68	Sequence 66, Appl1
32	67	14.2	238	14	US-10-112-267-67	Sequence 65, Appl1
33	67	14.2	239	14	US-10-112-267-66	Sequence 64, Appl1
34	67	14.2	240	14	US-10-112-267-65	Sequence 63, Appl1
35	67	14.2	241	14	US-10-112-267-64	Sequence 62, Appl1
36	67	14.2	242	14	US-10-112-267-63	Sequence 61, Appl1
37	67	14.2	243	14	US-10-112-267-62	Sequence 60, Appl1
38	67	14.2	244	14	US-10-112-267-61	Sequence 59, Appl1
39	67	14.2	245	14	US-10-112-267-60	Sequence 58, Appl1
40	67	14.2	246	14	US-10-112-267-59	Sequence 57, Appl1
41	67	14.2	247	14	US-10-112-267-58	Sequence 56, Appl1
42	67	14.2	248	14	US-10-112-267-57	Sequence 55, Appl1
43	67	14.2	249	14	US-10-112-267-56	Sequence 54, Appl1
44	67	14.2	250	9	US-09-915-582-53	Sequence 69, Appl1
45	67	14.2	250	9	US-09-915-582-69	

Search completed: April 29, 2004, 10:55:50  
Job time : 42 secs

GenCore version 5.1.6				
Copyright (c) 1993 - 2004 CompuGen Ltd.				
OM protein - protein search, using sw model				
Run on: April 29, 2004, 10:46:48 ; Search time 20 Seconds (without alignments)				
389.576 Million cell updates/sec				
Title: US-09-956-840C-2				
Perfect score: 473				
Sequence: 1 MFLLVFLCCLHLVLSHTPD.....VEMVPYSTGQCRTTCPTVG 81				
Scoring table: BLOSUM62				
Gapop 10.0 , Gapext 0.5				
Searched: 283366 seqs, 96191526 residues				
Total number of hits satisfying chosen parameters: 283366				
Minimum DB seq length: 0				
Maximum DB seq length: 200000000				
Post-processing: Minimum Match 0%				
Maximum Match 100%				
Listing first 45 summaries				
Database :				
1: p1r1.*				
2: p1r2.*				
3: p1r3.*				
4: p1r4.*				
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.				
SUMMARIES				
Result No.	Score	Query Match Length	ID	Description
1	77	16.3	572 2	T29880 hypothetical prote
2	72	15.2	335 2	T31559 hypothetical prote
3	72	15.2	1106 2	T44598 hypothetical prote
4	71.5	15.1	407 2	S44909 2K686.4 protein -
5	71	15.0	1106 2	T13938 gene shuttle craft
6	70	14.8	335 2	T31560 hypothetical prote
7	70	14.8	335 2	T31561 hypothetical prote
8	70	14.8	348 2	S09273 Ig alpha chain C r
9	68.5	14.5	4660 2	T42737 gp330 protein prec
10	68	14.4	345 2	T25138 hypothetical prote
11	68	14.4	358 2	T25137 hypothetical prote
12	68	14.4	417 2	A54416 prostacyclin recep
13	68	14.4	813 2	T21192 hypothetical prote

14	68	14.4	1964	2	T09059	notch4 - mouse
15	68	14.4	3175	1	REWEV	genome polyprotein
16	67.5	14.3	869	1	JC4858	VDL receptor prec
17	67.5	14.3	1955	1	AGCH	agrin precursor -
18	67.5	14.3	2321	2	S78549	notch3 protein - h
19	67	14.2	211	2	B89716	protein F458.3 (l
20	67	14.2	241	2	T22216	hypothetical prote
21	67	14.2	400	2	S35528	surface antigen -
22	67	14.2	548	2	T25401	hypothetical prote
23	66.5	14.1	1959	1	AGRT	agrin - rat
24	65	13.7	435	2	AD1955	two-component sens
25	65	13.7	488	2	A48203	interleukin-14 pre
26	65	13.7	854	1	QRHYD	LDL receptor precu
27	65	13.7	1945	2	T13937	plexin A - fruit f
28	65	13.7	2643	2	T29149	hypothetical prote
29	64.5	13.6	158	2	T07597	proteinase inhibit
30	64	13.5	103	1	TISYC2	proteinase inhibit
31	64	13.5	388	2	A88949	protein R0985.5 (l
32	64	13.5	444	2	B83802	hypothetical prote
33	63.5	13.4	153	1	KKPOCI	proteinase inhibit
34	63.5	13.4	226	2	J02070	surface antigen -
35	63.5	13.4	972	2	A30363	glycoprotein GP330
36	63.5	13.4	1063	1	GNWVA	structural polypro
37	63.5	13.4	1319	2	S49951	SMA protein - yes
38	63.5	13.4	2533	2	T28675	alpha-5ID immobili
39	63.5	13.4	2533	2	T28674	alpha-5ID-immobili
40	63.5	13.4	2555	2	A40043	notch protein homo
41	63.5	13.4	4545	1	S25111	alpha-2-macroglobu
42	63	13.3	120	2	A48837	subgroup A Rous sa
43	63	13.3	124	1	TIHBB	trypsin inhibitor
44	63	13.3	157	2	B48837	subgroup A Rous sa
45	63	13.3	309	2	B87576	hypothetical prote

Search completed: April 29, 2004, 10:50:36  
Job time : 21 secs

OM protein - protein search, using sw model  
Run on: April 29, 2004, 10:43:18 ; Search time 14 Seconds  
(without alignments)  
301.263 Million cell updates/sec

Title: US-09-856-840C-2  
Perfect score: 473  
Sequence: 1 MFLVFLCCLHLVISHTPD.....VEWVYSTGQCRTICPTVG 81

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : SwissProt\_42.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result	Query					
No.	Score	Match	Length	DB	ID	Description
1	453	95.8	81	1	MCPI_HIRME	P81511 hirtudo med
2	72	15.2	603	1	CEAI_MOUSE	O61129 mus musculi
3	71.5	15.1	407	1	YO14_CAEEL	P34670 caenorhabdd
4	71	15.0	1106	1	STC_DROME	P40798 drosophila
5	68.5	14.5	4660	1	LRP2_RAT	P98158 rattus norv
6	68	14.4	159	1	KR93_HUMAN	O9BYG3 homo sapien
7	68	14.4	288	1	SPY3_HUMAN	O43610 homo sapien
8	68	14.4	415	1	P12R_MOUSE	P43252 mus musculi
9	68	14.4	441	1	YK17_SCHPO	P43523 schizosacch
10	68	14.4	813	1	YTOJ_CAEEL	O19673 caenorhabdd
11	68	14.4	1964	1	NTQ4_MOUSE	P31695 mus musculi
12	68	14.4	3175	1	RPOA_EAV	P19811 equine artel
13	67.5	14.3	1955	1	AGRI_CHICK	P31696 gallus gallu
14	67.5	14.3	2321	1	NTC3_HUMAN	O3UM47 homo sapien
15	67	14.2	250	1	MSP2_HUMAN	O76076 homo sapien
16	66.5	14.1	159	1	KR98_HUMAN	O9BYG0 homo sapien
17	66.5	14.1	1210	1	ATI9_MOUSE	P59509 mus musculi

18 66.5 14.1 1959 1 AGRI\_RAT P25104 rattus norv  
19 65.5 13.8 630 1 AT54\_RAT Q9eep7 rattus norv  
20 65.5 13.8 864 1 AD1E\_MOUSE O98839 mus musculu  
21 65.5 13.7 604 1 CF41\_RAT O9mww3 rattus norv  
22 65 13.7 854 1 LDR\_CRIGR P35950 cricetus  
23 64.5 13.6 158 1 IP2X\_SOLU O00782 solanum tub  
24 64 13.5 154 1 IP25\_SOLU Q41488 solanum tub  
25 64 13.5 616 1 TR11\_HUMAN Q9yq66 homo sapien  
26 64 13.5 1696 1 PCK5\_BRACI Q9nj15 branchiosto  
27 63.5 13.4 153 1 IP2K\_SOLU P01080 solanum tub  
28 63.5 13.4 1063 1 POLS\_RUBVR P19725 rubella vir  
29 63.5 13.4 1319 1 SSM4\_YEAST P40318 saccharomyc  
30 63.5 13.4 2556 1 NTCL\_HUMAN P46531 homo sapien  
31 63 13.3 124 1 LBB\_HORVU P12940 hordeum vul  
32 63 13.3 157 1 RSVR\_COTJA P98162 coturnix co  
33 63 13.3 286 1 HXBD\_MOUSE P70321 mus musculu  
34 63 13.3 2531 1 NTCL\_MOUSE O01705 mus musculu  
35 63 13.3 2531 1 NTCL\_RAT O07008 rattus norv  
36 62.5 13.2 176 1 TR23\_MOUSE Q9e663 mus musculu  
37 62.5 13.2 291 1 US02\_HSVZH P13392 herpes simp  
38 62.5 13.2 416 1 PROA\_THETH P54903 thermus the  
39 62.5 13.2 2524 1 NOTC\_XENLA P21783 xenopus lae  
40 62 13.1 1223 1 AT14\_HUMAN O8wxs8 homo sapien  
41 62 13.1 2193 1 POLG\_CX16G O65900 c genome po  
42 61.5 13.0 285 1 VTEL\_HSVB4 P27426 bovine herp  
43 61.5 13.0 1063 1 POLS\_RUBVT P07366 rubella vir  
44 61 12.9 292 1 NADA\_METRA O8t566 methanopyru  
45 60.5 12.8 127 1 K410\_HUMAN Q9byq7 homo sapien

# ALIGNMENTS

RESULT 1  
MCPI\_HIRME STANDARD; PRT; 81 AA.  
AC P81511;  
DT 15-JUL-1999 (Rel. 38, Created)  
DT 10-OCT-2003 (Rel. 42, Last annotation update)  
DE Metalloproteinase inhibitor precursor (LCI).  
OS Hirudo medicinalis (Medicinal leech).  
OC Eukaryota; Metazoa; Annelida; Clitellata; Hirudinea;  
OC Arhynchobdellida; Hirudinoformae; Hirudindae; Hirudo.  
OX NCB:TaxID=6421;  
RX MEDLINE=99047680; PubMed=9830043;  
RA Fritz H., Sommerhoff C.P.;  
RA Reverte D., Vendrell J., Canals F., Horstmann J., Aviles F.X.,  
RT "A carboxypeptidase inhibitor from the medical leech Hirudo  
medicinalis: isolation, sequence analysis, cDNA cloning, recombinant  
RT expression, and characterization."  
RL J. Biol. Chem. 273:32927-32933(1998).  
CC -1- FUNCTION: Tightly binding, competitive inhibitor of different  
CC types of pancreatic-like carboxypeptidases.  
CC -1- PTM: The cysteine residues are involved in intrachain disulfide

CC bonds.  
CC -1- MASS SPECTROMETRY: MW=7326; METHOD=MALDI; RANGE=16-81.  
CC -----  
CC This SWISS-PROT entry is copyright. It is produced through a collaboration  
CC between the Swiss Institute of Bioinformatics and the EMBL outstation -  
CC the European Bioinformatics Institute. There are no restrictions on its  
CC use by non-profit institutions as long as its content is in no way  
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CC or send an email to [license@isb-sib.ch](mailto:license@isb-sib.ch)).  
CC -----  
DR EMBL: A1010948; CA09422.1; -  
DR PDB: 1DTP; 12-JUL-00.  
DR PDB: 1DTP; 19-JUL-00.  
KW Metalloenzyme inhibitor; signal; 3D-structure.  
FT SIGNAL 1 15  
FT CHAIN 16 81 METALLOCARBOXYPEPTIDASE INHIBITOR.  
FT ACT\_SITE 80 80 INTERACTION WITH CARBOXYPEPTIDASE (BY  
FT SIMILARITY).  
SQ SEQUENCE 81 AA; 9068 MW; 7D7E175E693922A CRC64;  
Query Match 95.8%; Score 453; DB 1; Length 81;  
Best Local Similarity 97.5%; Pred. No. 6.4e-41;  
Matches 78; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 MELVIFLCCHLVISHTPDESFLCTQPDYCCFIRGAALPSBECNPHPTAPNCRG 60  
DB 1 MELVIFLCCHLVISHTPDESFLCTQPDYCCFIRGAALPSBECNPHPTAPNCRG 60  
QY 61 AVEWVPYSTGQCRTICPIPV 80  
DB 61 AVEWVPYSTGQCRTICPIPV 80

Search completed: April 29, 2004, 10:49:12  
Job time : 16 secs

GenCore version 5.1.6  
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OK protein - protein search, using sw model

Run on: April 29, 2004, 10:46:18 ; Search time 39 Seconds  
(without alignments)  
655.307 Million cell updates/sec

Title: US-09-856-840C-2

Perfect score: 473  
Sequence: 1 MFLVFLCCLHIVISHTPD.....VEMVPTGQCRTCTPTVG 81

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1017041 segs, 315518202 residues  
Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: sp\_archaea:\*  
2: sp\_bacteria:\*  
3: sp\_fungi:\*  
4: sp\_human:\*  
5: sp\_invertebrate:\*  
6: sp\_mammal:\*  
7: sp\_mhc:\*  
8: sp\_organelle:\*  
9: sp\_phage:\*  
10: sp\_plant:\*  
11: sp\_rodent:\*  
12: sp\_virus:\*  
13: sp\_vertebrate:\*  
14: sp\_unclassified:\*  
15: sp\_virus:\*  
16: sp\_bacteriap:\*  
17: sp\_archaeap:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Query Score	Match Length	ID	Description
------------	-------------	--------------	----	-------------

Search completed: April 29, 2004, 10:50:04  
Job time : 41 secs

1	81	17.1	340	5	P90627	P90627 leishmania
2	80	16.9	421	5	Q86JD6	Q86JD6 dictyostell
3	77	16.3	572	5	Q19594	Q19594 caenorhabdi
4	75.5	16.0	355	4	Q9H665	Q9H665 homo sapien
5	75.5	16.0	821	5	Q22631	Q22631 caenorhabdi
6	74	15.6	340	5	Q8WT30	Q8WT30 leishmania
7	74	15.6	340	5	Q9GQM5	Q9GQM5 leishmania
8	74	15.6	340	5	Q9GQN7	Q9GQN7 leishmania
9	72	15.2	335	5	Q9N6L3	Q9N6L3 caenorhabdi
10	72	15.2	1099	5	Q8IP49	Q8IP49 drosophila
11	72	15.2	1106	5	Q9Y025	Q9Y025 drosophila
12	71.5	15.1	340	5	Q25319	Q25319 leishmania
13	71	15.0	451	5	Q86KC7	Q86KC7 dictyostell
14	71	15.0	1069	5	Q9VNM2	Q9VNM2 drosophila
15	70	14.8	335	5	Q9NPF9	Q9NPF9 caenorhabdi
16	70	14.8	335	5	Q9NFW0	Q9NFW0 caenorhabdi
17	70	14.8	419	5	Q9NA38	Q9NA38 caenorhabdi
18	70	14.8	420	5	Q9NA61	Q9NA61 caenorhabdi
19	69	14.6	218	5	Q19618	Q19618 caenorhabdi
20	68.5	14.5	502	16	Q7UE37	Q7UE37 rhodoptereil
21	68.5	14.5	765	5	Q9NLS0	Q9NLS0 sarcophaga
22	68	14.4	159	4	Q9BYQ3	Q9BYQ3 homo sapien
23	68	14.4	212	11	Q8CC99	Q8CC99 mus musculu
24	68	14.4	358	5	Q9U362	Q9U362 caenorhabdi
25	68	14.4	3175	12	Q91DM2	Q91DM2 equine arte
26	67.5	14.3	325	10	Q8LG72	Q8LG72 arabidopsis
27	67.5	14.3	869	13	Q42126	Q42126 xenopus lae
28	67.5	14.3	4007	4	Q86XX4	Q86XX4 homo sapien
29	67	14.2	241	5	Q45532	Q45532 caenorhabdi
30	67	14.2	355	13	Q802V2	Q802V2 brachydanio
31	67	14.2	400	12	Q81108	Q81108 heparitis b
32	67	14.2	527	5	P91835	P91835 caenorhabdi
33	67	14.2	649	6	Q28657	Q28657 oryctolagus
34	66.5	14.1	159	4	Q9BYQ0	Q9BYQ0 homo sapien
35	66.5	14.1	769	5	Q8WRL5	Q8WRL5 drosophila
36	66.5	14.1	1059	5	Q9W493	Q9W493 drosophila
37	66.5	14.1	1149	4	Q13577	Q13577 homo sapien
38	66.5	14.1	2026	4	Q90468	Q90468 homo sapien
39	66	14.0	847	13	Q90M12	Q90M12 oncorhynchus
40	66	14.0	1064	5	Q7YU01	Q7YU01 drosophila
41	65.5	13.8	324	10	Q9SM86	Q9SM86 oryza sativ
42	65.5	13.8	651	4	Q86U24	Q86U24 homo sapien
43	65.5	13.8	809	11	Q8CA82	Q8CA82 mus musculu
44	65.5	13.8	833	11	Q8K384	Q8K384 mus musculu
45	65.5	13.8	845	11	Q8BNJ2	Q8BNJ2 mus musculu

OM nucleic - nucleic search, using SW model

Run on: April 30, 2004, 06:56:35 ; Search time 2007 Seconds  
(without alignments)  
10042.108 Million cell updates/sec

Title: US-09-856-840C-1  
Perfect score: 465  
Sequence: 1 gacttggaactcactcgcatt.....taaaaaaaaaaagaaaaa 465

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3470272 segs, 2167516995 residues  
Total number of hits satisfying chosen parameters: 6340544

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: gb\_ba:\*  
2: gb\_ntg:\*  
3: gb\_in:\*  
4: gb\_om:\*  
5: gb\_ov:\*  
6: gb\_pat:\*  
7: gb\_ph:\*  
8: gb\_pl:\*  
9: gb\_pr:\*  
10: gb\_fo:\*  
11: gb\_sts:\*  
12: gb\_sy:\*  
13: gb\_un:\*  
14: gb\_vl:\*  
15: em\_ba:\*  
16: em\_fun:\*  
17: em\_hum:\*  
18: em\_in:\*  
19: em\_mu:\*  
20: em\_mu:\*  
21: em\_or:\*  
22: em\_ov:\*  
23: em\_pac:\*  
24: em\_ph:\*  
25: em\_pl:\*  
26: em\_ro:\*  
27: em\_sts:\*

28: em\_un:\*  
29: em\_vl:\*  
30: em\_htg\_hum:\*  
31: em\_htg\_inv:\*  
32: em\_htg\_other:\*  
33: em\_htg\_mus:\*  
34: em\_htg\_pin:\*  
35: em\_htg\_rtd:\*  
36: em\_htg\_mam:\*  
37: em\_htg\_vrt:\*  
38: em\_sy:\*  
39: em\_hugo\_hum:\*  
40: em\_hugo\_mus:\*  
41: em\_hugo\_other:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	length	DB ID	Description
1	465	100.0	465	3	HW010948
2	465	100.0	465	6	AX026084
3	50.2	10.8	110000	3	AC116305_1
4	49.8	10.7	182870	3	AC116960
5	49.2	10.6	6424	3	AC116924
6	49.2	10.6	110000	2	PFMAL13_17
7	48.4	10.4	13138	3	AC116305_4
8	48.4	10.4	110000	2	PFMAL8P1_01
9	48.4	10.4	110000	3	AC116305_3
10	48.4	10.4	302156	3	AC116977
11	48	10.3	110000	2	PFMAL6P1_12
12	47.6	10.2	3016	3	DDU31631
13	47.6	10.2	169546	2	AC004157
14	47.6	10.2	250707	3	AE014848
15	47.6	10.2	349954	6	AX196287
16	47.4	10.2	2523	9	BC038509
17	47.4	10.2	132254	3	AC116310
18	47.2	10.2	2917	9	BC054514
19	47.2	10.2	110000	3	AC116957_0
20	47.2	10.2	257109	3	AC115577
21	47	10.1	27684	8	HASMT
22	47	10.1	125623	3	AC115599
23	46.8	10.1	57203	3	AC116989
24	46.6	10.0	31343	2	AC115576
25	46.6	10.0	31712	8	AP000415
26	46.6	10.0	33270	3	AC116921
27	46.6	10.0	110000	2	PFMAL7P1_08
28	46.6	10.0	117113	8	AC146575
29	46.6	10.0	234081	3	PFMAL4P2
30	46.6	10.0	254733	3	AC117075
31	46.6	10.0	257109	3	AC115577
32	46.4	10.0	154071	3	AC115598
33	46.4	10.0	250195	3	AE014831







OM nucleic - nucleic search, using sw model

Run on: April 30, 2004, 06:54:50 ; Search time 341 Seconds  
(without alignments)  
5792.997 Million cell updates/sec

Title: US-09-856-840C-1

Perfect score: 465  
Sequence: 1 gacttggtactcattcgat.....taaaaaaaaaaagaaaaa 465

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3373863 seqs, 2124099041 residues

Total number of hits satisfying chosen parameters: 6747726

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :  
1: Geneseg\_29Jan04:\*  
2: Geneseg1980s:\*  
3: Geneseg1990s:\*  
4: Geneseg2000s:\*  
5: Geneseg2001as:\*  
6: Geneseg2001bs:\*  
7: Geneseg2002s:\*  
8: Geneseg2003as:\*  
9: Geneseg2003bs:\*  
10: Geneseg2004s:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	465	100.0	465	3	AA11268
2	47.6	10.2	110000	5	AA161373_2
3	45	9.7	265	5	ABV07596
4	45	9.7	887	3	AA159297
5	45	9.7	6071	6	AB132367
6	45	9.7	6071	6	AB134483
7	45	9.7	6071	6	AB170154

# ALIGNMENTS

RESULT 1	ID	AA11268	standard; cDNA; 465 BP.
XX	XX	AA11268;	
XX	XX	08-NOV-2000 (first entry)	
DE	XX	Hirudo medicinalis metalloproteinase inhibitor cDNA.	
XX	XX	Recombinant, leech, metalloproteinase inhibitor; fibrin;	
KW	XX	plasma carboxypeptidase B; fibrinolysis inhibitor; plasminogen;	
KW	XX	blood clot; de.	

C	8	44.8	9.6	337	7	ABX41811	Abx41811 Bovine ES
C	9	44.8	9.6	8779	6	AA161382	AA161382 Human gen
C	10	44.4	9.5	370	5	ABV07958	ABV07958 Human pro
C	11	44.4	9.5	19131	4	AA164716	AA164716 Tumour su
C	12	43.8	9.4	372	5	ABV37528	ABV37528 Human pro
C	13	43.8	9.4	5511	6	AB133871	AB133871 Human imm
C	14	43.8	9.4	110000	6	AB12787_1	AB12787_1 Human imm
C	15	43.4	9.3	970	6	AB154211	AB154211 Human ova
C	16	43.4	9.3	1333	7	AC196036	AC196036 Trifolium
C	17	43.2	9.3	425	4	AA192310	AA192310 Human pol
C	18	43.2	9.3	3197	8	AC195254	AC195254 Plasmodiu
C	19	43.2	9.2	40862	6	AB134072	AB134072 Human imm
C	20	42.8	9.2	284	4	AA170082	AA170082 Human cer
C	21	42.8	9.2	289	2	AA171217	AA171217 Partial n
C	22	42.8	9.2	332	4	AA170043	AA170043 Human cer
C	23	42.8	9.2	473	8	ACH26237	ACH26237 Human cer
C	24	42.6	9.2	631	6	AB1025138	AB1025138 Oligonucle
C	25	42.6	9.2	631	6	AB1025139	AB1025139 Oligonucle
C	26	42.6	9.2	1781	9	AD158028	AD158028 Human gen
C	27	42.6	9.2	1781	9	AD158032	AD158032 Human gen
C	28	42.6	9.2	6731	6	AB139963	AB139963 Human che
C	29	42.6	9.2	8056	7	AB10246	AB10246 Haematopo
C	30	42.4	9.1	377	7	AB142254	AB142254 Bovine ES
C	31	42.4	9.1	3138	2	AA111712	AA111712 Shuttle v
C	32	42.4	9.1	3549	3	AA170223	AA170223 Plasmodiu
C	33	42.2	9.1	423	7	AB138651	AB138651 Bovine ES
C	34	42.2	9.1	464	4	AA133241	AA133241 Human col
C	35	42.2	9.1	1262	3	AA179885	AA179885 Human sec
C	36	42.2	9.1	10039	6	AB170506	AB170506 Human cDN
C	37	42.2	9.1	19124	2	AA172882	AA172882 Plasmodiu
C	38	42.2	9.1	19124	2	AA172882	AA172882 Plasmodiu
C	39	42.2	9.1	19124	3	AA172882	AA172882 Plasmodiu
C	40	42.2	9.0	843	5	AB116074	AB116074 Human pro
C	41	42.2	9.0	939	6	AB133574	AB133574 cDNA enco
C	42	42.2	9.0	939	7	AC166879	AC166879 cDNA enco
C	43	42.2	9.0	939	7	AC166879	AC166879 Novel hum
C	44	42.2	9.0	939	7	AC166879	AC166879 Novel hum
C	45	42.2	9.0	939	8	AB144264	AB144264 Human pro



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OW nucleic - nucleic search, using sw model

Run on: April 30, 2004, 09:28:21 ; Search time 323 Seconds

(without alignments)  
6512.108 Million cell updates/sec

Title: US-09-856-840C-1

Sequence: 1 gactgtgaaccatctgcgtg.....taaaaaaaaaaagaaaaa 465

Scoring table: IDENTITY NUC

Gapop 10.0 ; Gapext 1.0

Searched: 2936184 seqs, 2261732022 residues

Total number of hits satisfying chosen parameters: 5872368

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2\_6/prodata/1/pubpna/US07\_PUBCOMB.seq:\*  
2: /cgn2\_6/prodata/1/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/prodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/prodata/1/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2\_6/prodata/1/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2\_6/prodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*  
7: /cgn2\_6/prodata/1/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2\_6/prodata/1/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/prodata/1/pubpna/US09A\_PUBCOMB.seq:\*  
10: /cgn2\_6/prodata/1/pubpna/US09C\_PUBCOMB.seq:\*  
11: /cgn2\_6/prodata/1/pubpna/US09\_NEW\_PUB.seq:\*  
12: /cgn2\_6/prodata/1/pubpna/US09\_NEW\_PUB.seq2:\*  
13: /cgn2\_6/prodata/1/pubpna/US10A\_PUBCOMB.seq:\*  
14: /cgn2\_6/prodata/1/pubpna/US10B\_PUBCOMB.seq:\*  
15: /cgn2\_6/prodata/1/pubpna/US10C\_PUBCOMB.seq:\*  
16: /cgn2\_6/prodata/1/pubpna/US10\_NEW\_PUB.seq:\*  
17: /cgn2\_6/prodata/1/pubpna/US60\_NEW\_PUB.seq:\*  
18: /cgn2\_6/prodata/1/pubpna/US60\_PUBCOMB.seq:\*  
19: /cgn2\_6/prodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result

Query

No.	Score	Match	Length	DB	ID	Description
1	47.6	10.2	513509	10	US-09-754-653A-4	Sequence 4, Appl1
2	47	10.1	351	10	US-09-814-353-17579	Sequence 11579, A
3	46.8	10.1	620	13	US-10-424-599-11272	Sequence 71272, A
4	46.2	9.9	783	13	US-10-424-599-14220	Sequence 14220, A
5	45.8	9.8	695	12	US-10-401-038-2	Sequence 2, Appl1
6	45	9.7	6071	15	US-10-311-455-340	Sequence 340, App
7	45	9.7	6071	15	US-10-240-485-36	Sequence 36, App
8	44.8	9.6	337	9	US-09-960-352-6976	Sequence 6976, Ap
9	44.8	9.6	1413	13	US-10-424-599-112899	Sequence 112899, A
10	44.8	9.6	1413	13	US-10-424-599-112225	Sequence 112225, A
11	44.8	9.6	8779	13	US-10-321-613-345	Sequence 345, App
12	44.8	9.6	367378	15	US-10-312-841-1	Sequence 1, Appl1
13	44.4	9.5	302	10	US-09-814-353-535	Sequence 535, App
14	44.4	9.5	302	10	US-09-814-353-11622	Sequence 11622, A
15	44.4	9.5	19131	13	US-10-221-714A-441	Sequence 441, App
16	44.2	9.5	461	10	US-09-814-353-18559	Sequence 18559, A
17	44	9.5	466	13	US-10-421-901-890	Sequence 890, App
18	43.8	9.4	577	13	US-10-424-599-135986	Sequence 135986, A
19	43.8	9.4	655	13	US-10-424-599-13378	Sequence 13378, A
20	43.8	9.4	5511	15	US-10-311-455-1844	Sequence 1, Appl1
21	43.8	9.4	640681	9	US-09-790-988-1	Sequence 91, Appl1
22	43.4	9.3	970	16	US-10-264-049-91	Sequence 1, Appl1
23	43.4	9.3	367378	15	US-10-312-841-1	Sequence 1, Appl1
24	43.2	9.3	222	13	US-10-424-599-36762	Sequence 36762, A
25	43.2	9.3	1358	13	US-10-424-599-65293	Sequence 65293, A
26	43.2	9.3	367378	15	US-10-312-841-2	Sequence 2, Appl1
27	43	9.2	406	10	US-09-814-353-4900	Sequence 4900, App
28	43	9.2	406	10	US-09-814-353-11195	Sequence 11195, A
29	43	9.2	708	10	US-09-814-353-2035	Sequence 2035, App
30	43	9.2	708	10	US-09-814-353-8381	Sequence 8381, App
31	43	9.2	40862	15	US-10-311-455-2045	Sequence 2045, App
32	42.8	9.2	337	10	US-09-814-353-5567	Sequence 5567, App
33	42.8	9.2	337	10	US-09-814-353-11854	Sequence 11854, A
34	42.8	9.2	473	10	US-09-918-595-13449	Sequence 13449, A
35	42.8	9.2	746	10	US-09-814-353-5894	Sequence 5894, App
36	42.8	9.2	746	10	US-09-814-353-12175	Sequence 12175, A
37	42.8	9.2	1061	13	US-10-424-599-100886	Sequence 100886, A
38	42.6	9.2	350	10	US-09-814-353-18240	Sequence 18240, A
39	42.6	9.2	440	10	US-09-814-353-3227	Sequence 3227, App
40	42.6	9.2	440	10	US-09-814-353-9552	Sequence 9552, App
41	42.6	9.2	579	10	US-09-814-353-5569	Sequence 5569, App
42	42.6	9.2	579	10	US-09-814-353-11856	Sequence 11856, A
43	42.6	9.2	6731	17	US-10-251-166-44	Sequence 44, Appl1
44	42.4	9.1	377	9	US-09-960-352-7419	Sequence 7419, App
45	42.4	9.1	515	13	US-10-424-599-106126	Sequence 106126, A

Search completed: April 30, 2004, 11:15:23  
Job time : 333 secs

OM nucleic - nucleic search, using sw model

Run on: April 30, 2004, 07:51:05 ; Search time 2507 Seconds  
(without alignments)  
5538.857 Million cell updates/sec

Title: US-09-856-840C-1

Perfect score: 465  
Sequence: 1 gacttgtaactcctcctcgaat.....taaaaaaaaaaaaaaaaaa 465

Scoring table: IDENTITY\_NUC  
Gapop 10.0 ; Gapext 1.0

Searched: 27513289 seqs, 14931090276 residues

Total number of hits satisfying chosen parameters: 55026578

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :  
1: em\_estda:\*  
2: em\_esthum:\*  
3: em\_estin:\*  
4: em\_estnu:\*  
5: em\_estov:\*  
6: em\_estpl:\*  
7: em\_estro:\*  
8: em\_hlc:\*  
9: gb\_est1:\*  
10: gb\_est2:\*  
11: gb\_hlc:\*  
12: gb\_est3:\*  
13: gb\_est4:\*  
14: gb\_est5:\*  
15: em\_estfun:\*  
16: em\_estom:\*  
17: em\_gss\_hum:\*  
18: em\_gss\_hiv:\*  
19: em\_gss\_pin:\*  
20: em\_gss\_vrt:\*  
21: em\_gss\_fun:\*  
22: em\_gss\_mam:\*  
23: em\_gss\_mus:\*  
24: em\_gss\_pro:\*  
25: em\_gss\_rtd:\*  
26: em\_gss\_prg:\*  
27: em\_gss\_vrt1:\*

28: gb\_gss1:\*  
29: gb\_gss2:\*  
Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	59	12.7	452	13	BX446269
2	56.8	12.2	1201	13	BX446296
3	54.8	11.8	1162	9	AL513719
4	53	11.4	937	29	CNS006XP
5	52.8	11.4	1201	13	BX446296
6	52.6	11.3	1045	29	CNS03YEA
7	52.4	11.3	427	13	BX403499
8	52	11.2	776	29	CNS01268
9	51.8	11.1	970	29	CNS0182E
10	51.6	11.1	179	9	AL275113
11	51.4	11.1	1121	13	BX38325
12	51.2	11.0	316	14	CF545414
13	51.2	11.0	386	13	C90680
14	51.2	11.0	392	13	BX424882
15	51.2	11.0	1201	13	BX403761
16	51	11.0	1104	9	AL513809
17	50.8	10.9	392	13	BX424882
18	50.8	10.9	1201	9	AL513975
19	50.8	10.9	1201	9	AL513975
20	50.4	10.8	425	14	CF980658
21	50.4	10.8	441	14	CF980752
22	50.2	10.8	409	13	BX425137
23	50.2	10.8	908	13	BX429815
24	50.2	10.8	970	29	CNS0182E
25	50.2	10.8	1201	13	BX356198
26	50	10.8	501	14	CF302974
27	50	10.8	1162	9	AL513719
28	49.8	10.7	381	13	BX425197
29	49.8	10.7	1201	13	BX458623
30	49.6	10.7	243	14	CF383661
31	49.6	10.7	506	9	AL514791
32	49.6	10.7	994	29	CNS04NOJ
33	49	10.5	173	12	BL423644
34	49	10.5	248	14	CF383673
35	48.8	10.5	274	13	BX446690
36	48.8	10.5	356	13	BX446758
37	48.8	10.5	625	29	CNS036A2
38	48.8	10.5	658	29	CNS03WK1
39	48.8	10.5	911	13	BX446782
40	48.6	10.5	240	9	AU073206
41	48.6	10.5	264	14	CF622488
42	48.6	10.5	324	14	CF545077
43	48.6	10.5	583	29	CNS0440G
44	48.6	10.5	716	13	C22772

45 48.6 10.5 780 13 E0843635  
Search completed: April 30, 2004, 10:10:17  
Job time : 2511 secs

E0843635 AGENCOURT